

Shivam Sharma

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Summary

DevOps Engineer with **hands-on experience in AWS, Kubernetes, CI/CD pipelines, Docker, and Terraform**, specializing in **cloud infrastructure automation, containerization, and system security**. Skilled in deploying scalable applications, optimizing workflows, and enhancing security compliance. Proficient in **Python scripting and Linux administration** with a strong foundation in **software development and problem-solving**. Seeking to contribute to high-performance teams by driving efficiency, automation, and innovation in DevOps practices.

Skills

- **Cloud Platforms:** AWS (EC2, IAM, S3), Cloud Security
- **Version Control:** Git, GitHub
- **Programming and Scripting:** Python, Shell Scripting, SQL
- **DevOps Tools:** Jenkins, Docker, Kubernetes, Terraform, Nginx
- **Operating Systems:** Linux (Ubuntu, Debian)
- **Other skills:** HTML, CSS, JavaScript, Java

Work Experience

JarNox | DevOps Intern

May 2025 - Present

Remote

- Enhanced system security by restricting access through VPN-based authentication, leading to improved data protection
- Deployed and configured Ollama Mistral model to enable efficient local LLM inference, enhancing processing speed and accuracy
- Automated domain data collection through custom Python scripts, improving data retrieval and analysis workflows.
- Isolated internal Flask app from public access by enforcing VPN-only availability, reducing exposure risk.

Projects

InfraGuard-Cloud Scanner | <https://infraguard.me/>

Jun 2025 - Present

- Developed and deployed a full-stack cloud vulnerability scanning platform for AWS infrastructures using Python (Flask) for backend and HTML/CSS/JS for the frontend, hosted on Render and Vercel respectively.
- Performed vulnerability scans on EC2, S3, and IAM using AWS SDK (boto3), with dynamic result dashboards.
- Utilized AWS SDK (boto3) to perform automated EC2, IAM, and S3 security checks and generate detailed cloud security reports.
- Achieved production-level deployment with proper CORS, session handling, and async job polling for smooth UX.
- Integrated Razorpay Payment Gateway with secure transaction tracking and dynamic report access post-payment.

CI/CD Pipeline using Jenkins | <http://44.208.36.56/>

Mar 2025 - May 2025

- Developed a CI/CD pipeline using Jenkins, deployed a portfolio site on AWS EC2.
- Integrated GitHub webhooks and LocalTunnel to trigger Jenkins builds from a local machine.
- Utilized Docker for isolated Jenkins setup and environment consistency.
- Configured Gmail SMTP for build failure notifications; used Nginx as a reverse proxy.
- Automated Jenkins job backups via batch scripts and Windows Task Scheduler.

Education

JIMS Engineering Management Technical Campus (JEMTEC)

Sep 2022 - Sep 2026

Greater Noida

B.Tech, Computer Science & Engineering

- **GPA:** 8.0

Certifications

Simplilearn

Search Engine Optimization

- Completed training in **On-Page & Off-Page SEO, Keyword Research, Image Optimization, Crawling, and Page Speed**
- Hands-on practice with **Google Keyword Planner & Ahrefs**

Internshala Trainings

Web Development

- Completed 8-week certified training covering **HTML, CSS, Bootstrap, DBMS, PHP, JavaScript, React**
- Built a **final project** applying web development concepts
- Scored **64%** in the final assessment

Achievements

- **2nd Runner-Up – DSA Hackathon:** Solved complex algorithmic problems under time constraints, recognized for coding efficiency and teamwork.